TSUMARA ///

G3

PROFESSIONAL CAR CAMERA

USER MANUAL

Thank you for purchasing Tsumara G3

Warranty and Disclaimer

» We take no responsibility for accidental damage, injuries and other losses caused by improper use of the product.

» This product is a video event data recorder for vehicles but does not guarantee that all accidents will be recorded.

» This product creates a recorded video to help determine what happened before, during and after a crash or event.

Contents

• Menu Navigation
• Operating Modes
• Connecting the Camera to a Computer
• Charging
• Reset

1 Safety Instructions

This manual covers what should be done to protect the user's safety and prevent property damage. Please make sure to read these safety instructions before using the product.

⚠ Do not disassemble, repair and/or alter the product.
This may cause a fire, an electric shock and/or malfunction. Contact the service center if you need to have the product fixed. User may not be entitled to free service if and when product malfunction is caused by user's fault.

⚠ Do not install the product in a location where it obscures the driver's view.
This may be in violation of The Road Traffic Act Regulation 79a

⚠ Do not operate the product while driving.
Use after stopping/parking your car in a safe place.

⚠ Do not wet the product.
This may cause a fire, an electric shock and/or malfunction.

⚠ Drastic changes in brightness (on entry/exit of tunnels), strong backlight in the daytime, and no light source at night may result in diminished video quality.

⚠ Excessively tinted windscreens may cause recorded images to look blurry or distorted.

⚠ Installation Cautions

» Installing or operating the device while driving may cause an accident. Only install and/or operate the device while the vehicle is not in motion.

» If the cigarette lighter receptacle emits fumes or a funny smell, stop using the product immediately and contact us or one of our dealerships.

» Dust and dirt build-up in the cigarette lighter receptacle may cause heat or a fire. Clean it on a regular basis.

» We do not take any responsibility for malfunction, injuries or damage to the product caused by inappropriate use.

⚠ Memory Card Cautions

» Do not forcefully remove the SD card while the product is in recording mode.
Be sure to turn off the camera before removing the SD card.

» Formatting the SD Card
Formatting the SD card on a regular basis can help prevent potential read-write errors and corrupted files.

» The maximum lifespan of a SD card is six months.
We are not liable for any SD card errors after this period.

» Be sure to back up your recorded videos using an additional storage device.

» Format the SD card by using the camera's format function found in the settings menu. Select "YES" when prompted.

» Always use SD cards recommended by our company. We are not responsible for any issues caused by using an incompatible SD card.
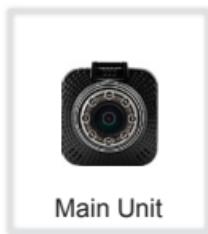
Main Unit	Car Charger	Mount	USB-cable	GPS Mouse

» Check to make sure all the components above are included.

» Components may be changed without notice to improve product functionality and/or quality.

» Original Tsumara components are recommended. The use of third party components may restrict warranty.

» Tsumara G3 comes with a pre-installed 32GB memory card.

③ Product Features ◎ ──────────────────────────

- **Extreme HD Video:**
  The Tsumara G3 is capable of outputting video at 2304x1296p as well as 2560x1080p 21:9 super widescreen format for extremely clear video and broad panoramas both day and night.

- **G-Sensor:**
  When the camera detects gravity acceleration of 4G or more the current file will automatically be saved and cannot be deleted by the Loop Record function.

- **GPS:**
  GPS records speed and location. To play back video with GPS data please use the "Registrator Viewer" application available here: http://dashcams.co.uk/downloads/

- **USB/HDMI:**
  The camera connects to a computer via USB and to a TV/Monitor via HDMI.

- Night Vision:
  Tsumara G3 Dual uses an extremely light sensitive image sensor to ensure clear images at night.

- Time Stamp:
  Date, time and driver ID can be embedded in the video with the "Stamp setting" function in the settings menu.

- Time Lapse:
  The Tsumara G3 is capable of shooting time lapse photography with intervals ranging from 0.2 – 30 seconds.

④ Installing the Camera

» We recommend installing the camera behind the rear view mirror to avoid obstructing the driver's view.
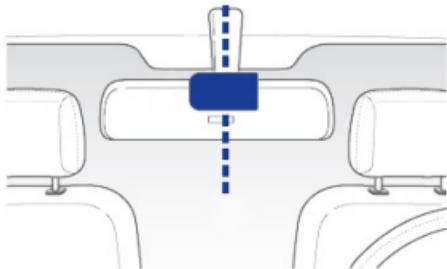
» Make sure the surface is clean and dry in the installation area. Remove the red film from the adhesive mount. Position the camera on the windshield with the lens pointing forwards and adjust the angle by rotating the camera body.

» Plug the power cable into the USB port on the camera. Route the cable neatly around the edge of the windshield by tucking it into any available gap in rubber seal, roof liner etc. Continue around the dashboard towards the 12/24v socket.
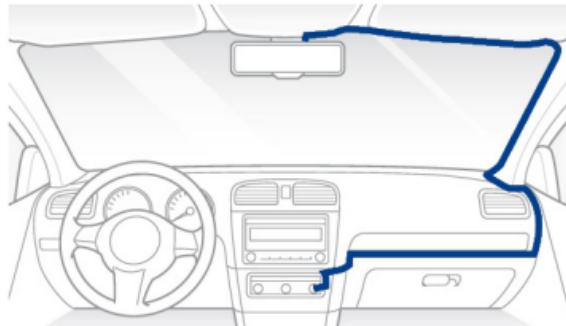
» Turn on the ignition. The camera should power up and start recording automatically.

5 Product Overview

1.TV-OUT/GPS	2. Mount Connector	3. Reset	4. Power Button
5. TF Slot	6. Mode Button	7. Power Led	8. LCD Screen
9. Menu Button	10. Down Button	11. Up Button	12. OK Button
13. USB interface	14. MIC	15. HDMI Interface	16. Speaker
17. Camera Lens	18. IR Lights		

Menu Navigation

From the Video Recording Mode (default on start up) press the Menu button to enter the Video Settings menu. Navigate the menu with the UP and DOWN buttons and press the OK button to enter/exit sub-menus and select options.

	Video Settings		
#	Menu Item	Description	Function
1	Video Resolution	2560x1080p 30fps, 2304x1296 30fps, 1920x1080p 30fps, HDR_1920x1080p 30fps, 1280x720p 60fps, 1280x720p 30fps	Sets the video resolution
2	Image Quality	S. Fine, Fine, Normal	Sets video quality
3	Time Lapse Setting	Off, Intelligent Mode, 0.2, 0.5, 1, 5, 30 secs	Sets the interval for time lapse photos
4	Meter Mode Setting	Center, Average, Spot	Selects light meter source
5	Anti-flicker	Auto, 60Hz, 50Hz	Sets the flicker frequency

#	Menu Item	Description	Function
6	Stamp Setting	Date, Time Driver ID	Selects info to embed in veideo
7	Loop Record Function	Off, 1 , 3, 5 mins	The length of the file segments
8	ADAS Detect	Off N/A	Advanced Driver Assistance System
9	ADAS Calibration	Off, Low, Medium, High	Adjusts ADAS sensitivity
10	G-sensor Setting	Off, Low, Medium, High	Adjust G-Sensor Sensitivity
11	Motion Detection	On, Off	Activates Motion Detection feature
12	G-sensor	Off, Low, Medium, High	Adjusts G-Sensor Sensitivity
13	MIC	On, Off	Enables Audio Recording
15	Park Mode	On, Off	Activates Parking Mode

	General Settings		
#	Menu Item	Description	Function
1	Language Setting	English, French, German, Czech, Dutch, Polish, Russian, Japanese, Chinese	Selects OS language
2	Card Volume		Displays SD card info
3	System Mode	NTSC, PAL	Selects TV system
4	Driver ID Setting		Sets Unique ID for operator
5	Time Setup		Sets the system time
6	Format		Formats the SD card
7	Default Setting		Resets unit to factory default
8	Auto Power Off	Off, 1, 3, 5 mins	Sets auto off interval
9	Backlight Off	Off, 1, 3, 5 mins	Sets delay before screen turns off
10	Delay Power Off	Off, 15, 30 secs, 1 min	Sets Off delay time

#	Menu Item	Description	Function
11	Night Light	On, Off	Activates the IR leds
12	GPS	On, Off	Activates GPS module
13	Beep Sound Setting	On, Off	Turns system sound on/off
14	Version Info		Displays current FW version

Operating Modes

1. Video Mode

The camera defaults to Video Mode when switched on manually or connected to the car charger and will start recording automatically. Press the OK button to start/stop recording manually. A flashing red icon at the top of the screen and a flashing blue led indicator on the camera body indicates that the camera is recording. When the camera is connected to the 12/24V car charger it will shut off automatically after you turn off the ignition or unplug the charger.

Emergency Function >

While in record mode click the the Menu button once to manually "protect" a file from being overwritten by the Loop Record function.

Audio Recording >

- Use the UP button to toggle the Microphone on/off

Night Lights >

- Use the DOWN button to switch the Night Lights on/off

2. Photo Mode

- From video mode (default) click the Mode button once to enter Photo Mode
- Press the OK button to take a still photo.
- Press the Menu button to access the photo settings menu

3. Media Mode

- From Video Mode (default) click the Mode button twice to enter Media Mode
- From Photo Mode (default) click the Mode button once to enter Media Mode

- Use the the UP/DOWN buttons to navigate video and photo files.
- Select a file by pressing the OK button. Press OK again to start/ pause video or view photos
- Press the Menu button to access the Media Mode specific settings menu where you can
  delete a file or all files and select playback options.

4. Connecting the Camera to a Computer

Connect the camera to your PC with the USB cable. The camera will connect as a standard
media device. Go to My Computer->Removable disk->Normal where you will find all the files
currently on the memory card. The files protected with the Emergency Save function are stored
in the Event folder.

5. Charging

When attached to the car charger the camera will charge the battery while operating normally.
The camera will also charge the battery when connected to a computer via USB.

6. Reset

If you need to Reset the unit you can do so by using a thin objet to push down the Reset
button located on the top of the camera body (3)

7 Troubleshooting

Unable to record video or take stills

The memory card may be full and require formatting. Format the card from settings menu.

The camera stops recording

Your memory card might be incompatible with the camera. Make sure you are using a good quality micro SD card class 10.

Files are corrupted/unreadable

Format the memory card from the settings menu.

Unclear video

Make sure the camera lens is clean. Wipe with microfibre lens cloth.

(8) Specifications

Video Resoloution	2560x1080, 2304x1296 , 1920x1080p, 1280x720p
Viewing Angle	170°
Screen	2.0″LCD(TXD)/16:9/960*240
Video Format	.mp4
Storage	Supports Micro SDXC/SDHC Class10 Max 64GB
Connectivity	USB / HDMI
AV/HDMI/out	NTSC/PAL
GPS	External GPS mouse
Dimensions	53mm(L)x54.5mm(W)x16mm(H)

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Federal Communications Com-
mision
Electromagnetic Wave Suitability

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